WE CLAIM:

- 1. A method for manufacturing a reduced weight guide link for an engine, the method comprising:
 - a. providing the guide link;
 - b. providing a guideway insert; and
 - c. securing the insert to the guide link as a guideway for a guide wheel, such that the wear resistance of the insert is greater than the wear resistance of the guide link.
- 2. A method according to claim 1, further including:
 - d. coating the insert to increase the wear-resistance.
- 3. A method according to claim 2, wherein coating the insert includes coating with titanium nitride.
- 4. A method according to claim 2, wherein coating the insert includes coating with diamond-like-carbon.
- 5. A method according to claim 1, wherein the insert is cylindrical.
- 6. A method according to claim 1, wherein the insert has a square cross-section.
- 7. A method according to claim 1, where the insert is V-shaped.
- 8. A method according to claim 1, wherein the insert is alloy steel
- 9. A method according to claim 1, wherein the insert is tool steel.
- 10. A method according to claim 1, wherein the insert is a ceramic.
- 11. A method according to claim 1, wherein the insert is hardened metal.
- 12. A method according to claim 1, wherein the insert is secured to the guide link with an end plate.
- 13. A lightweight guide link assembly for an engine, the assembly comprising:
 - a. a guide link; and
 - b. a guideway insert for providing a guideway for a guide wheel, such that the wear resistance of the insert is greater than the wear resistance of the guide link.
- 14. A guide link assembly according to claim 13, wherein the insert is coated to increase the wear resistance.

- 15. A guide link assembly according to claim 14, wherein the insert is coated with titanium nitride.
- 16. A guide link assembly according to claim 14, wherein the insert is coated with diamond-like-carbon.
- 17. A guide link assembly according to claim 13, wherein the insert has a square cross section.
- 18. A guide link assembly according to claim 13, wherein the insert is cylindrical.
- 19. A guide link assembly according to claim 13, wherein the insert is V-shaped.
- 20. A guide link assembly according to claim 13, wherein the insert is a hardened metal.
- 21. A guide link assembly according to claim 13, wherein the insert is alloy steel.
- 22. A guide link assembly according to claim 13, wherein the insert is tool steel.
- 23. A guide link assembly according to claim 13, wherein the insert includes a ceramic.
- 24. A guide link assembly according to claim 13, wherein the insert is secured to the guide link with an end plate.

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